

## ABSTRACT

A control system for a centrifuge that allows the centrifuge to continue to run when there is a short duration failure or outage of the AC power source. The control system allows the centrifuge to be brought to a stop in a normal shutdown mode where there are longer duration failures or outages of the AC power source. This allows power to be maintained to the pump that lubricates the centrifuge bearings so that the bearings are lubricated during the coast down of the centrifuge and the differential speed of the centrifuge to be controlled during coast down allowing the centrifuge bowl to be cleared of solids so that the centrifuge can be immediately started up at lower vibration levels once power is restored.